

[NCBI](#)[Entrez](#)[BLAST 2 sequences](#)[BLAST](#)[Example](#)[Help](#)

BLAST 2 SEQUENCES

This tool produces the alignment of two given sequences using [BLAST](#) engine for local alignment. The stand-alone executable for blasting two sequences (bl2seq) can be retrieved from [NCBI ftp site](#)

Reference: Tatiana A. Tatusova, Thomas L. Madden (1999), "Blast 2 sequences - a new tool for comparing protein and nucleotide sequences", FEMS Microbiol Lett. 174:247-250

Program Matrix

Parameters used in [BLASTN](#) program only:

Reward for a match: Penalty for a mismatch:

☐ Use [Mega BLAST](#) Strand option

Open gap and extension gap penalties

gap x_dropoff expect word size Filter ☒

Sequence 1 Enter accession or GI or download from file
or sequence in FASTA format from: to:

nqs snf gpm kgg nfg grs sgp ygg ggq yfa kpr nqg gy

Sequence 2 Enter accession or GI or download from file
or sequence in FASTA format from: to:

YDR RGR PGD GMV GFS ADE TWD SAI DTW SPS EWQ MAY

Comments and suggestions to blast-help@ncbi.nlm.nih.gov



Blast 2 Sequences results

[PubMed](#)[Entrez](#)[BLAST](#)[OMIM](#)[Taxonomy](#)[Structure](#)

BLAST 2 SEQUENCES RESULTS VERSION BLASTP 2.2.5 [Nov-16-2002]

Matrix: gap open: gap extension:
x_dropoff: expect: wordsize: ☒ Filter

Sequence 1 lcl|seq_1 Length 38

Sequence 2 lcl|seq_2 Length 36

No significant similarity was found

(FILE 'HOME' ENTERED AT 13:41:15 ON 12 JUN 2003)

FILE 'MEDLINE' ENTERED AT 13:45:48 ON 12 JUN 2003

L1 0 S NON-CLASSICAL NUCLEOAR LOCALIZATION SIGNAL
L2 1 S NON-CLASSICAL NUCLEAR LOCALIZATION SIGNAL

FILE 'CAPLUS, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH' ENTERED AT
13:47:32
ON 12 JUN 2003

L3 6 S L2
L4 2 DUP REM L3 (4 DUPLICATES REMOVED)

(FILE 'HOME' ENTERED AT 14:31:19 ON 12 JUN 2003)

FILE 'MEDLINE' ENTERED AT 14:31:43 ON 12 JUN 2003

L1 0 S STABLY TRANSFECTED AND SCAFFOLD AND NUCLEAR
LOCALIZATION
L2 10 S STABLY TRANSFECTED AND SCAFFOLD
L3 17 S PLASMID AND EBNA-1 AND EPISOM? AND (STABLE OR
STABLY)
L4 8 S PLASMID AND LARGE T AND EPISOM? AND (STABLE OR
STABLY)
L5 326 S (STABLY OR STABLE) AND EPISOM?
L6 37 S L5 AND (EBNA OR LARGE T)

=> file stnguide